Please replace the paragraph beginning on page 1, at line 11, with the paragraph shown below:

a1

This application is a continuation-in-part of copending U.S. patent application entitled "Device Including A Micromechanical Resonator Having An Operating Frequency And Method Of Extending Same" filed January 13, 2000 and having U.S. Serial No. 09/482,670, now U.S. Patent No. 6,249,073, which, in turn, claims the benefit of U.S. provisional application entitled "VHF Free-Free Beam High-Q Micromechanical Resonators", filed January 14, 1999 and having U.S. Serial No. 60/115,882. This application also claims the benefit of U.S. provisional application entitled "Transceiver Front-End Architectures Using Vibrating Micromechanical Signal Processors" filed April 20, 2000 and having U.S. Serial No. 60/199,063.

In The Claims

Please replace claims 1, 5, 13, 14, 19, 21, and 23 as shown below. A marked up version of the amended claims is attached to this Amendment.

a2

1. (Amended) A method for filtering signals to obtain a desired passband of frequencies, the method comprising:

providing a micromechanical filter apparatus including a micromechanical resonator having a fundamental resonant mode formed on a substrate and a support structure anchored to the substrate to support the resonator above the substrate; and

vibrating the resonator so that the apparatus passes a desired frequency range of signals while substantially attenuating signals outside the desired frequency range, wherein the support structure is attached to the resonator and the support structure and the resonator are both dimensioned so that the resonator is isolated from the support structure during resonator vibration, wherein energy losses to the substrate are substantially eliminated and wherein the apparatus is a high-Q apparatus.